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HISTORY OF COMMUNITY-BASED SYSTEM DYNAMICS

Krista Galleberg

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System dynamics is an applied field of systems thinking and has been used to solve real-world problems, such as issues in industrial management, environmental policy, and health care policy. One of the recent innovations in the field of system dynamics is the emergence of *community-based system dynamics*, which is system dynamics for community building and social justice. Community-based system dynamics builds capacity within marginalized communities to solve systemic problems facing their community by teaching the tools and language of system dynamics to members of the community. My research project explores the origin and development of the field of system dynamics, with special attention to the emergence of community-based system dynamics. It attempts to situate community-based system dynamics within the context of SD's history. My project also considers potential synergies between community-based system dynamics and education, especially the policy, theory, and practice of PK-12 classroom teaching in the United States.